

DEPARTMENT OF TRANSPORTATION

ESC/OE MS #43
1727 30TH Street, 2ND Floor
Sacramento, CA 95816



October 31, 2000

04-CC,Sol-80-19.5/22.7, 0.0/0.7
04-013054

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in CONTRA COSTA AND SOLANO COUNTIES IN CROCKETT AND VALLEJO FROM OLEUM REFINERY ROAD UNDERCROSSING TO CARQUINEZ BRIDGE TOLL PLAZA.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on November 15, 2000.

This addendum is being issued to revise the Project Plans and the Notice to Contractors and Special Provisions.

Project Plan Sheet 208 is revised. A half-sized copy of the revised sheet is attached for substitution for the like-numbered sheet.

In the Special Provisions, Section 2-1.01, "GENERAL", the second paragraph is revised as follows:

"The proposal shall set forth the unit prices, item totals, TOTAL BID (A), the number of working days bid for completion of all the work in Phase II times the cost per day shown on the Engineer's Estimate (TOTAL BID (B)), and the "Total Basis for Comparison of Bids (A+B)," all in clearly legible figures, in the respective spaces provided, and shall be signed by the bidder, who shall fill out all blanks in the proposal form as therein required."

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES", the following paragraphs are added after the tenth paragraph:

"The Contractor shall diligently prosecute all work (including plant establishment) to completion before the expiration of **1600 WORKING DAYS** beginning at 12:01 a.m. on the day after the day of contract award.

The Contractor shall pay to the State of California the sum of \$250 per day, for each and every calendar day's delay in completing the work in excess of the number of working days prescribed above.

In no case will liquidated damages of more than \$57,000 per day be assessed."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK", the fourth paragraph is deleted.

In the Special Provisions, Section 10-1.01, "ORDER OF WORK", the seventh paragraph is deleted.

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In the Special Provisions, Section 10-1.34, "BRIDGE REMOVAL", eleventh paragraph, Requirement H, which begins "For Bridge No. 23-0015R,..." is revised as follows:

"H. For Bridge No. 23-0015R, sections of deck slab and barrier railing shall be removed intact to minimize concrete and reinforcing steel falling onto the bridge superstructure, traveler rails, walkways and other facilities. Existing shear studs on the floor beams and on the splice plates shall not be damaged by removal operations. Concrete or other debris shall be prevented from entering the existing deck drain pipes. Debris from removal operations shall not be allowed to accumulate on the steel superstructure. Existing reinforcing steel left exposed from removal operations, that is not incorporated in new concrete, shall be removed to 25 mm below the concrete surface and the resulting cavity patched with concrete.

Surfaces of existing steel to receive new concrete shall be blast cleaned in accordance with the provisions in "Clean and Paint Structural Steel" elsewhere in these special provisions."

In the Special Provisions, Section 10-1.38, "EARTHWORK", subsection "MONITORING EXISTING BRIDGE STRUCTURES" is added after subsection "CONTROLLED LOW STRENGTH MATERIAL", as attached.

To Proposal and Contract book holders:

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

NICK YAMBAO, Chief
Office of Plans, Specifications & Estimates
Division of Office Engineer

Attachments

MONITORING EXISTING BRIDGE STRUCTURES

The Contractor shall monitor the existing bridge structures during excavation and pile installation when such work occurs within 20 meters of the existing structures.

Attention is directed to Section 7-1.11, "Preservation of Property," and Section 7-1.12, "Responsibility for Damage," of the Standard Specifications.

At least 4 weeks prior to beginning excavation or pile installation, the Contractor shall submit working drawings for the monitoring program to the Engineer for approval in accordance with the provisions in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications. The working drawings shall include a list of the type and number of instruments, locations of the instruments, attachments to existing structure, and methods to be used for monitoring activities specified.

The Contractor shall allow 4 weeks after complete drawings and all support data are submitted for the review of any working drawings.

The footings to be monitored are as follows: Westbound Viaduct (A4W Line) abutment 1 and bent 7, Eastbound Viaduct (A4E Line) abutment 1 and Westbound Off-Ramp (B line) bent 6 and bent 7. One survey point per footing is required for monitoring.

Instruments shall be removed after all monitoring is complete and when approved by the Engineer. All surfaces affected by the removal of instruments shall be restored to original condition by the Contractor.

The initial survey and records of vertical and horizontal displacement shall be signed by an engineer who is registered as a Civil Engineer in the state of California and available to the Engineer at the jobsite during normal working hours.

The Contractor shall install control point survey markers at each footing. The markers shall consist of 13 mm diameter steel pins epoxied into a 25 mm diameter hole drilled into the deck slab for a depth of at least 50 mm. Horizontal movements shall be measured normal and parallel to the bridge alignment.

The settlements and horizontal movements shall be made using optical surveying techniques and shall be referenced to fixed reference points. The Contractor shall propose a system for measuring horizontal movements for review and approval by the Engineer. The measuring system shall meet the accuracy requirements specified herein.

As a minimum, one daily vertical and horizontal movement reading shall be taken before excavation, pile installation, or construction begins to provide baseline data and to demonstrate that the measurement method can achieve the specified criteria for repeatability and accuracy.

If movement or settlement of structure is detected, the Contractor shall provide more frequent readings as directed by the Engineer.

The Contractor shall submit 2 copies of the following information to the Engineer within 2 days of taking measurements:

1. Tabulated elevations and coordinates of the horizontal survey points.
2. Plots of settlement versus time for each survey marker separately.
3. Plot of horizontal movements versus time. One plot of horizontal movements for each location shall be submitted showing movements in 2 orthogonal directions.

Measurements of vertical movements shall be accurate within ± 2.5 mm. Horizontal movements shall be accurate within ± 2.5 mm.

All vertical and horizontal measurements shall be referenced to fixed reference points.

Full compensation for monitoring existing structures during excavation and pile installation, and restoring surfaces to original condition shall be considered as included in the contract price paid per cubic meter for structure excavation of the types and classes listed in the Engineer's Estimate and no additional compensation will be allowed therefor.